

# Chemical Engineering

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CALVIN S. CROMAN  
Editor-in-Chief

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- National Conference on Control of Hazardous Material Spills—Defusing hazardous materials (N) ..... May 15
- National Plant Engineering & Maintenance Show (23rd)—Highlights ten new products ..... Mar. 6
- National Soc. of Professional Engineers—Girding for battle (N) ..... July 10

## Natural Gas

- Australian natural gas for U.S. West Coast: Pacific Lighting and Magellan Petroleum Australia agree on proposal (C) ..... July 24
- CE construction alert (R) Apr. 3-89 ..... Oct. 2
- FPC's right to reallocate supplies during emergency periods being considered by Supreme Court (C) ..... Mar. 20
- Gasification see **Gasification**
- LNG: Algerian natural gas for U.S. East Coast plans snagged again (C) ..... July 24
- LNG: a boon for aluminum producers (N) ..... Nov. 13
- LNG: changes in U.S. facilities for receiving imports might emerge (C) ..... Nov. 13
- LNG: Commonwealth Edison to install compact steam boiler fueled by LNG and liquid oxygen (C) ..... June 26
- LNG: Esso/Lurgi formed to bring Algerian gas to U.S. East Coast (C) ..... July 24
- LNG: El Paso and Occidental Petroleum may buy Soviet LNG (C) ..... Oct. 30
- LNG: multinational venture to sell LNG in U.S., Japan and South America (C) ..... Nov. 13
- LNG: U.S. beckons LNG tankers. Nicholas P. Choyno (N) (chart & map) ..... Nov. 13
- LNG and SNG: U.S. to get more gas (N) ..... Oct. 30
- Meetings focus on energy (N) ..... Oct. 30
- Netherlands' compressor stations for natural gas time-bombed (C) ..... Feb. 21
- New projects: answers to the gas shortage (N) ..... Mar. 6
- North Carolina protesting proposed FPC rule that would let n-g producers and distributors set prices by mutual agreement (C) ..... May 15
- Saving money through interruptible gas rates. Frank D. O'Neill (chart) ..... Feb. 7
- Shell Pipe Line study finds if LNG spills at sea, there is no risk of harm from explosion (C) ..... Mar. 6
- Shortage continues: Shell closing Venture Calif. and St. Helens, Ore. operations; PPG files suit against Conoco over natural gas contract (C) ..... June 12
- Soviet natural gas imports to U.S. discussed (C) ..... July 10
- Soviet plant produces acetylene in a plasma jet using natural gas as feed (C) ..... Jan. 24
- SNG: Company to make and sell catalysis used in producing SNG from liquid hydrocarbons via British Gas Council's CRG process might be formed (C) ..... Sept. 18
- SNG: El Paso Natural Gas plans Corpus Christi, Tex. plant (C) ..... Nov. 27

## SNG: Energy refineries are eyed. James H. Prescott (chart, table & flowchart) (N) ..... Sept. 18

- SNG: Japan to get its first plant (N) ..... Nov. 13
- SNG: The process options (diagrams, table) (N) ..... Apr. 17

## SNG: Processes, equipment, cost—report. Bresler & Ireland (charts, tables, flowcharts) (R) ..... Oct. 16

- SNG: U.S. may become an importer (C) ..... Nov. 27
- SNG: Tecon Gasification postpones plans for N.J. facility and will build similar plant near Donaldsonville, La. (C) ..... Nov. 13

## SNG: U.S. may become an importer (C) ..... Nov. 27

- SNG deal signed by Trunkline Gas and Coastal States (N) ..... Apr. 17
- SNG from hydrocarbon liquids: Pritchard will use updated flowchart in plant for Commonwealth SNG Inc. (C) ..... July 10

## SNG plants planned for Northeast sites (N) ..... Sept. 4

- Synthetic fuels: what, when? (N) (table) ..... Apr. 17
- Transco's plans to supply pipeline gas underway (N) ..... Mar. 20
- U.S. energy consumption in 1971—report from Dept. of the Interior (C) ..... Apr. 17

## Naval Stores—Hercules plans to start up a wood naval-stores installation in Florida (N) ..... Aug. 21

- Netherlands Antilles—Bids for industrial building (N) ..... Apr. 17

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- Absorber, mercury ..... Jan. 10
- Aerator ..... Nov. 27
- Agitator ..... Apr. 17
- Agitator drive features rugged, versatile design ..... July 10

- Alarms July 24 \*161 ..... Oct. 2
- Analysers Jan. 10 \*62, Jan. 24 \*73, May 1-41, May 1 \*101, May 15-72, July 10-52, July 24 \*100, Aug. 21 \*76, Sept. 4 \*109, Oct. 2 \*40, Oct. 30 69 ..... Nov. 27

- Analyzer, computerized, handles solids, liquids, or vapors ..... Sept. 4
- Annunciator ..... Jan. 24
- Anticorrosion device ..... Mar. 20
- Backflow preventer ..... May 29
- Bags, shipping ..... Mar. 20
- Balsa-wood core lets tanks go underground ..... Oct. 30
- Batch control system ..... May 29
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- Blending system ..... Oct. 2
- Bulb, long-life ..... Dec. 11
- Burner produces a gas flame from liquid fuel ..... Apr. 17
- Burners Apr. 3-62 ..... Sept. 4
- Calculator uses BASIC as keyboard programming language ..... Oct. 30
- Calculators Aug. 7-46 ..... Oct. 16
- Calibrator ..... Oct. 2
- Cam programmer ..... June 12
- Candler, carbon ..... June 21
- Carbon plates and tubes ..... Mar. 21
- Catalyst removal unit ..... Mar. 21
- Centrifuge ..... Mar. 6
- Ceram resistant parts ..... June 26
- Chlorination system ..... May 15
- Chromatographs May 1 \*41, Aug. 7 \*50, Sept. 18-96 ..... Oct. 2
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- Clarifiers June 12 \*127 ..... July 10
- Clarifying system separates emulsified oils from water ..... Oct. 16
- Classifier, particle ..... Oct. 16
- Coke waste treatment ..... Apr. 17
- Colorimeters Sept. 18 \*96 ..... Nov. 27
- Combustion system ..... Aug. 21
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- Compressor conditioner ..... Nov. 27
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- Computers: process computers handle modest-sized applications ..... Mar. 20
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- Disk, rupture ..... Apr. 17
- Dispenser ..... June 12
- Drive, adjustable-speed ..... Oct. 30

NOTES—\*Illustrated; (C) Cementator; (N) News; (P.N.) Plant Notebook; (R) Reprints available



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Duct, fiber glass	Dec. 11	68	Monitoring system evaluates workers' noise exposure	Aug. 7	*48	Spill boom	July 24	*38
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Fault finder	Feb. 21	*52	Oil skimmer, heated	May 29	36	Tantalum sheets, large	Mar. 6	*78
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Filter fabrics	July 10	113	Pipe support	Jan. 24	*70	Thickener design	Oct. 16	*138
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Flame-spray system features uniform metal coatings	June 26	*76	Powder-conveying system slashes air requirements	Apr. 3	*56	Ultraclean processor	June 26	*135
Flame tunnel	Apr. 17	*72	Powdered paint system	Nov. 13	98	V-belts Sept. 18 *96		
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Flare gas system	Nov. 13	96	Printer, serial	Apr. 17	*62	Valves, ball Apr. 3 *58, Apr. 17-70, Apr. 17 *138, May 29-37, Sept. 4 *40, Oct. 16 *81, Nov. 13-94, Nov. 27 *61		
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Flowmeters: Solids flowmeter works without obstructing flow	Sept. 18	*92	Pump design	June 12	*68	Valves, plug Feb. 7 *46		
Fluidizing media	Feb. 21	*48	Pump, magnetic drive	Dec. 11	40	Venturi probe	May 1	*74
Flume	Sept. 4	*44	Pumps Jan. 10 *60, Jan. 24 *66, Feb. 7 *113, Feb. 21 *48, Apr. 17 *75, May 29-36, July 24-104, Aug. 7-50, Aug. 21 *72, Sept. 4 *40			Vibrating unit handles multiple process tasks	Feb. 7	*40
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NOTES—\*Illustrated; (C) Chemtator; (N) News; (P.N.) Plant Notebook; (R) Reprints available



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